



A Vision for a Next-Generation Global Telephone Company

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Dr. Allan Yang

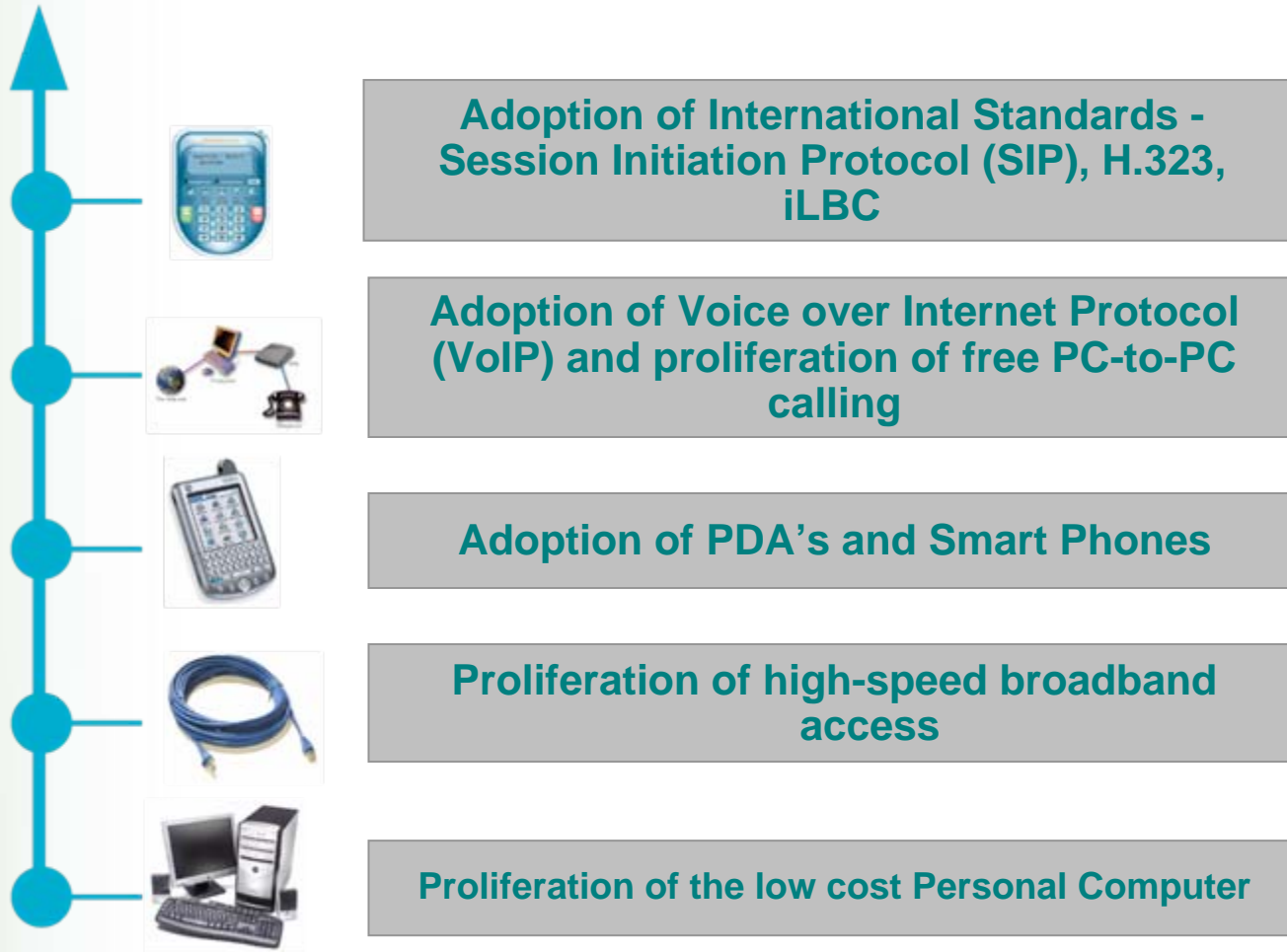
GTNT, CTO and Fellow

Ultra
Mobility

VISION

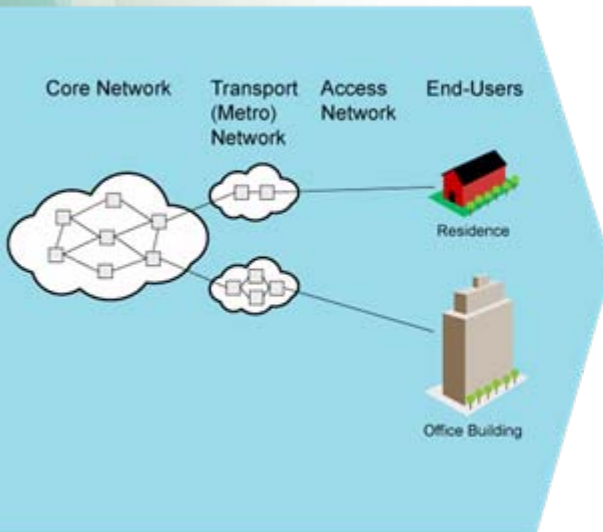
To establish a Next-Generation-Network that delivers Quality-of-Service (QoS) equal to a Tier 1 Telco, while maintaining the lowest capital expenditure and operational costs in history.

Key Advancements



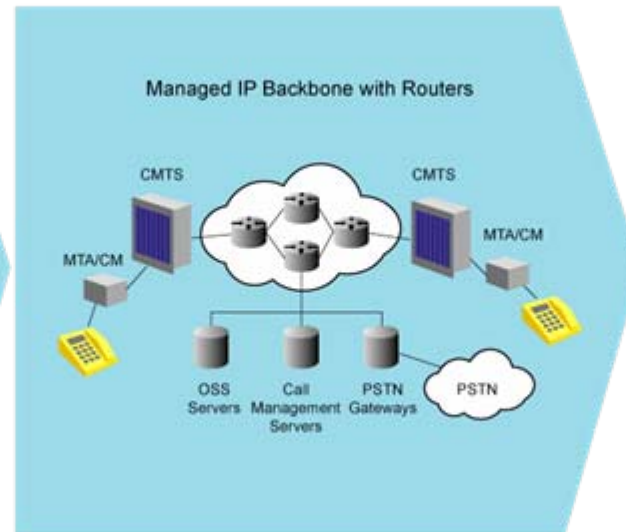
Background

Traditional Public Communications Network (PSTN)

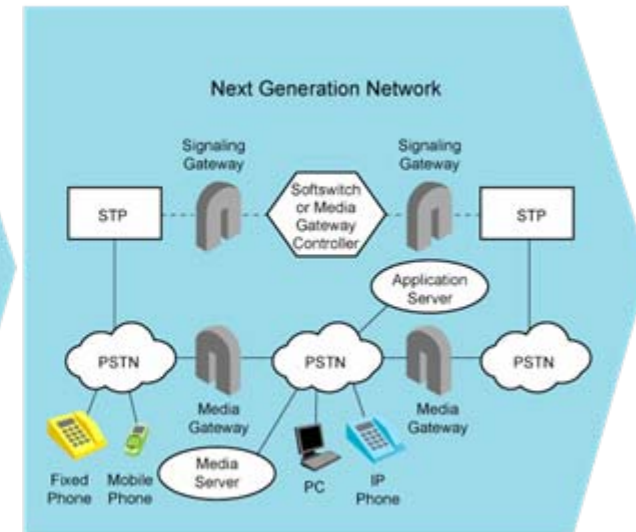


High QoS;
High CAPEX &
OPEX

Traditional Voice over Internet Protocol (VoIP) Network



Free PC-to-PC
Calls;
Unreliable QoS



Lowest CAPEX &
OPEX, High QoS,
optimal for voice, data,
video and extreme
mobility



Telecom in Transition – A Paradigm Shift in Network Infrastructure

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1. Many Networks Become One

- Previously we had dedicated voice solutions that offered one service per network: PSTN (fixed-line) and Mobile
- The Internet is becoming the common carrier for all services
- Growth comes as various wireless access technologies connect to the Internet

2. Phones and Computers are Converging

- Telephony is becoming an “App”
- Computers have different form factors
 - Desktops, Laptops, PDAs
 - Mobile phones, Smart Phones
- Connected to the Internet via various radio networks (multi-band)
- Open OS (Linux, Symbian, Windows Mobile, etc)
- Infrastructure must support voice, data and video

3. Software is a Game Changer

Soft-switches and Soft-routers will replace fixed switches and routers at fractions of the cost:

- Higher performance
- Scalability on-demand
- Remote maintenance
- Easy up-grades
- Supports next generation services
- deal for voice, data and video

4. Commoditization of Network Infrastructure

- **PCs as Servers**
 - PCs will replace main frames
 - Low cost - hundreds versus hundreds of thousands of dollars
 - Clustering
 - High performance
 - Remote Maintenance
 - Back-up
 - Scalability
 - Easily add new servers

...New Game with a Next Generation Network

- **Economics:**
 - 1/5 to 1/10 the CAPEX and OPEX
- **Distribution:**
 - New Breed of MVNOs (Costco, Sam's Club)
 - Consumer VoIP providers (Skype)
 - CLECs and other Wholesale providers of “last mile” services.
- **Innovation**
 - PC clustered servers
 - Softswitch Network – supports voice, data and video
 - Telco-grade billing system



Introducing GTNT

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GTNT - The Next-Gen Telco

A New Type of International Telco:

- The first Tier 2 global Telco established with a CAPEX in the single digit millions and global OPEX under \$100k a month
- Hybrid of the Internet (IP-network) with Public Switched Telephone Network (PSTN) which supports extreme mobility
- Offer voice solutions in emerging markets to businesses and consumers, capitalizing on the growth, flexibility and cost advantages of next generation IP-based calling.

GTNT's Customers and Partners

1. **PC based VoIP companies like Skype, JaJah, Project Gizmo, Dial Pad, Lingo**
2. **VoIP companies and Cable Companies**
3. **Telco resellers: CLECs like McGraw Communications, TelePacific**
4. **Conventional data carriers: Level 3 and XO Communications**
5. **Conventional Tier 1 and Tier 2 Telco's**
6. **Traditional and Next Gen MVNOs like Boost Mobile, Costco, Wal-Mart**

GTNT's Business Model

GTNT, a Carrier's carrier:

1. Enabling new generation of Mobile Virtual Network Operators (MVNO); (Costco, Sam's Club, Wal-Mart)
2. Prepaid Card Services
3. VoIP providers (Internet Phone, Wi-Fi) bridge to PSTN
4. Wholesale to Competitive Local Exchange Carriers (CLECs)
5. Wi-Fi / MVNOs

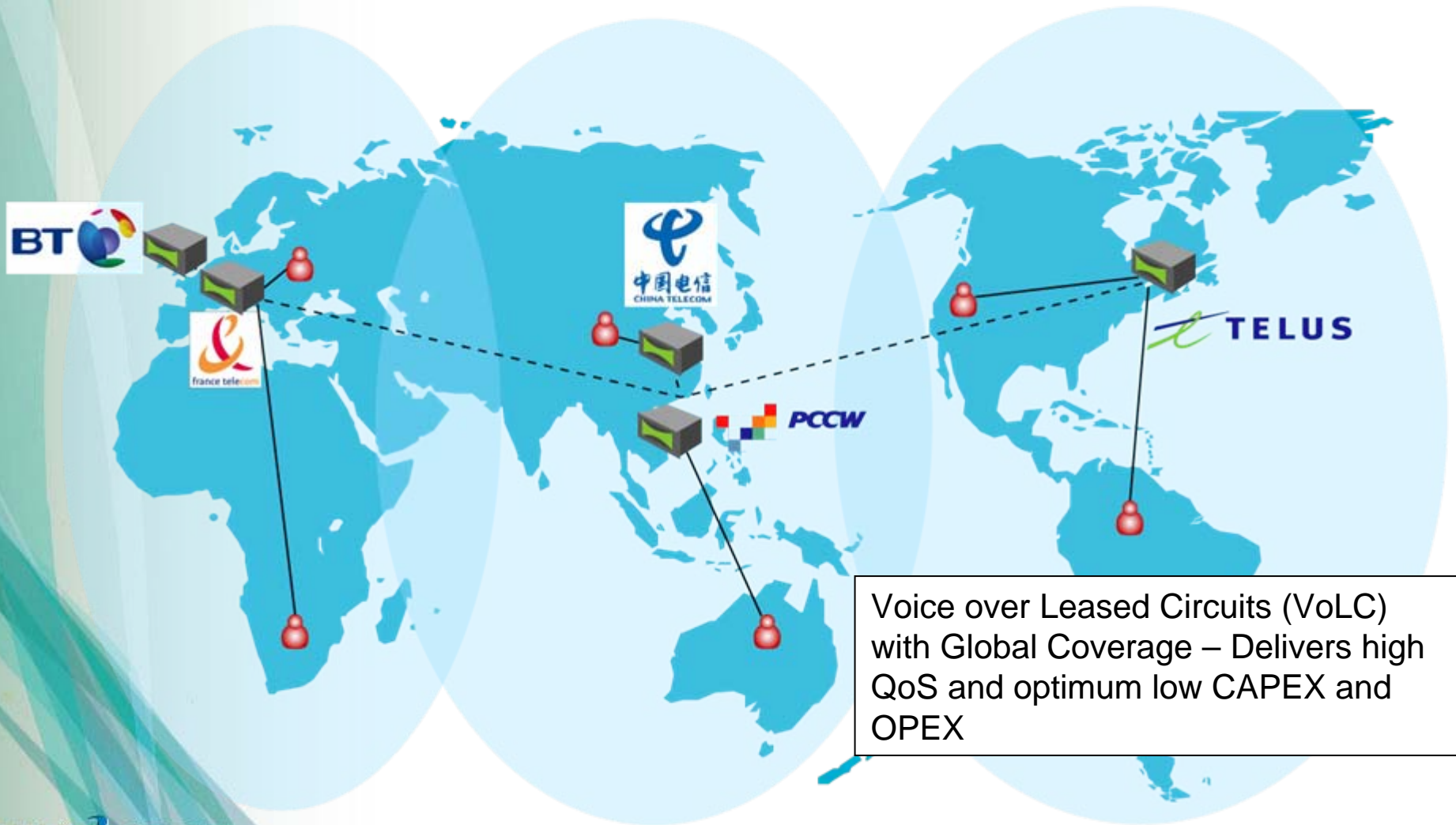
Revenue Model

- Prepaid card for International Call Service Revenue
- Auto paid monthly for fixed charge Revenue
- Auto paid for fixed monthly MVNO charges Revenue
- Prepaid service for IDD from Wi-Fi Phone, Internet Phone or MVNO Wi-Fi / GSM IDD service
- Monthly revenue from enhanced and enabling services

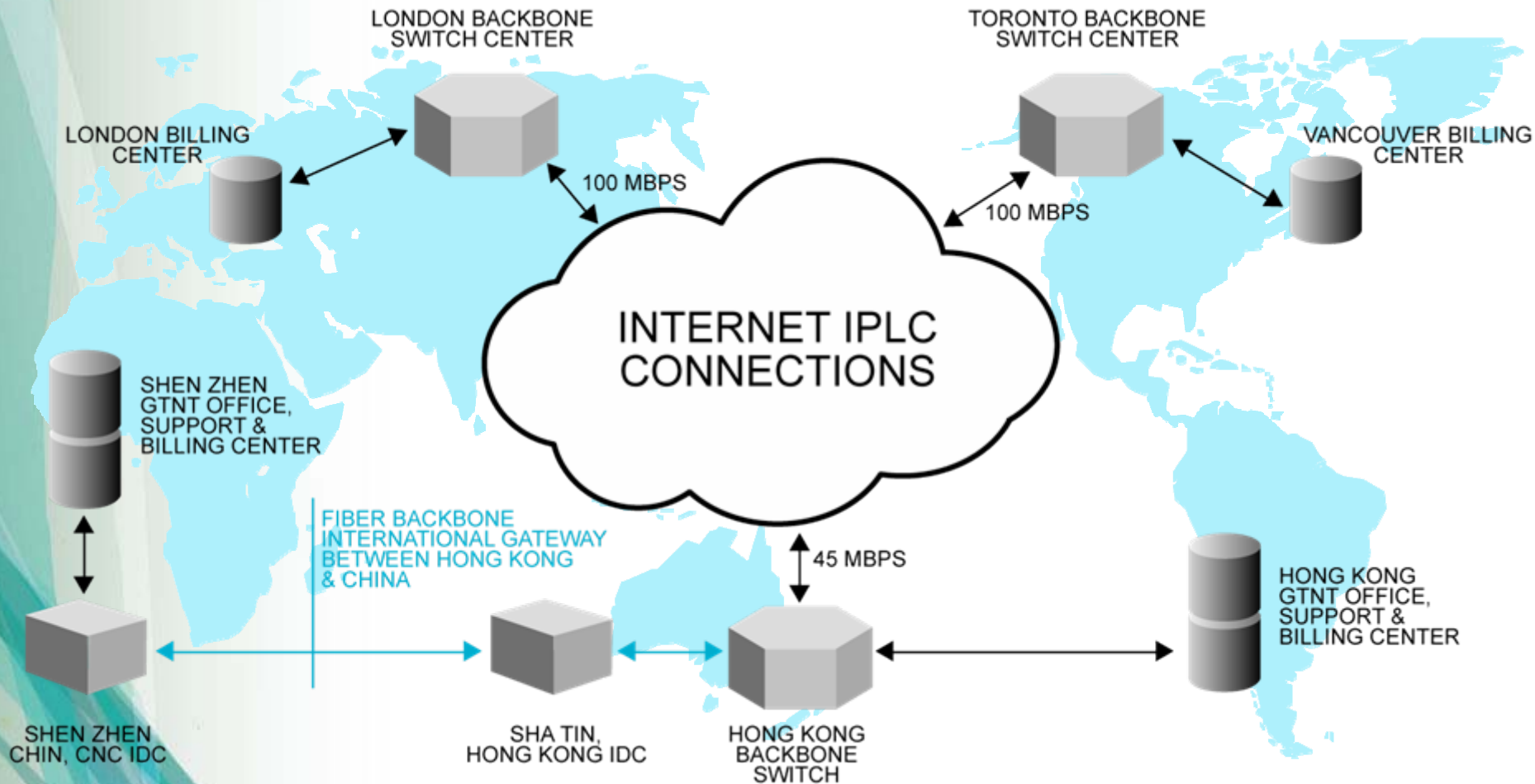
GTNT's Network Infrastructure – A Next-Generation-Network (NGN)

1. **Lowest cost OPEX and CAPEX while delivering high QoS**
 - Voice over Leased Circuit (VoLC) network infrastructure peered with Tier 1 Telco's
 - PC clustered server solution with built-in softswitch network supporting voice, data, video
2. **Next generation enhanced services**
 - Standards based – SIP, H.323, iLBC
 - Supports IP / VoIP / SIP / IPv4–IPv6
 - New & extreme mobility (WiFi / WiMax / GSM / CDMA / WCDMA with LAS routing)
3. **Tier 2 Telco that is interoperable and compliant with existing Tier 1 infrastructure**
 - Telco grade billing system and offering Direct Inward Dialing (DIDs) numbers

GTNT's Next Generation Network

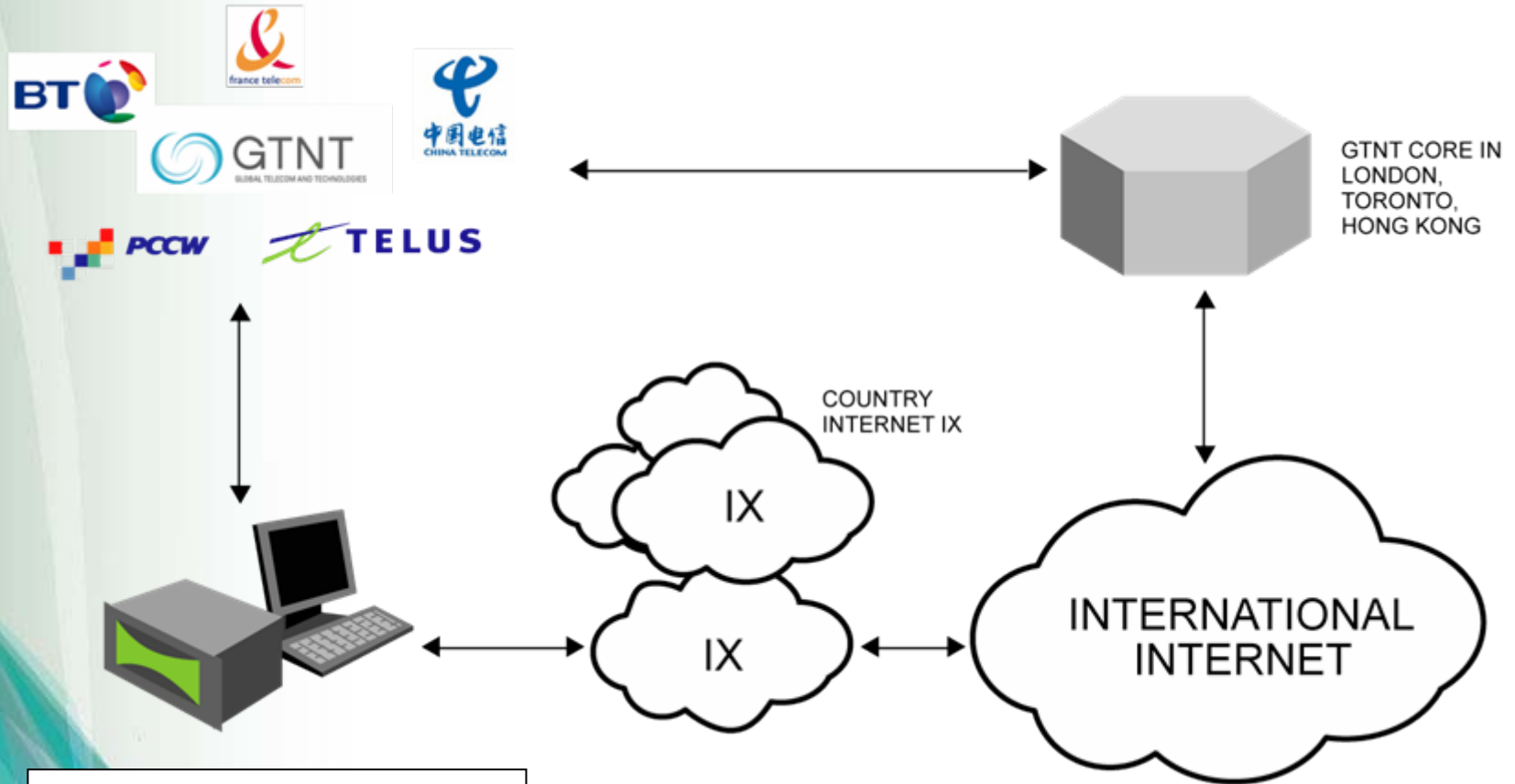


GTNT's - Global Network Infrastructure



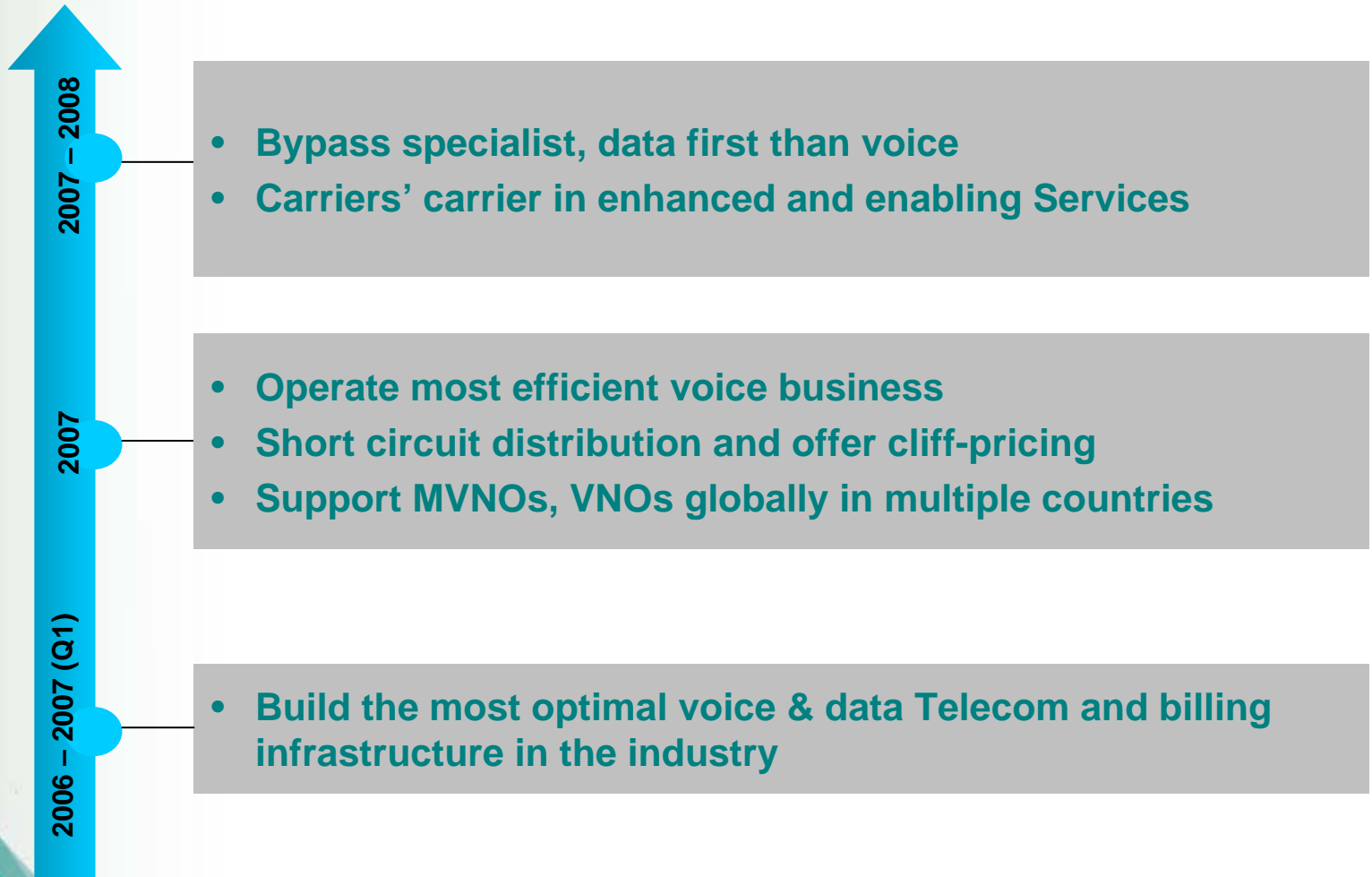
GTNT's Edge Network

Tier 1 Telco as the Edge Network for voice



GTNT's Edge Network:
VoIP, IP / SIP / IPv4-IPv6

GTNT Major Milestones



Convergent Technologies to Achieve Ultra Mobility

Ultra mobility = 100 M bps at 150 miles per hour

Two existing technology choices:

- 1.) Wi-Fi 802.11 and 2.) Wi-Max 802.16
- Wi-Fi is preferred

Facts:

- Wi-Fi uses OFDM which can achieve 54Mbps, 3 x 54M bps is 162 M bps
- It would be difficult to measure the phase angle and the magnitude of the sine wave in the air for Wi-Max

Next Gen Services - New Products for Extreme Mobility

GTNT provides a VIA technology solution with new products for extreme mobility in:

1. Wi-Fi Phones
2. Wi-Fi Hot-Points
3. Wireless LAS (Land, Air, Space) routers
4. Wi-Fi / GSM dual mode phones
5. Wi-Fi / CDMA dual mode phones

Via Technologies Wi-Fi Phone

- Three essential parameters to make a call:
 1. Unique built-in IPV6 address
 2. Built-in GPS
 3. Internet Phone number (DID) in SIM card
- New dual-mode Wi-Fi / GSM phone available for Internet and GSM services, Internet phone number can also be GSM mobile number

VIA Technology Wi-Fi Hot-Point for Extreme Mobility

- Utilize VIA CPU
- No Moving Parts to eliminate wear and tear
 - No Fans
 - Compact flash instead of hard disc
- Wi-Fi 802.11g/b 108 Mbps

VIA Technology Wireless LAS (Land Air Space) Router for Extreme Mobility

- No moving parts – increased reliability and lower costs.
- More than 40 Wi-Fi Phones can be connected simultaneously to the Internet for FREE.
- Wi-Fi to Internet connection or Wi-Fi Phone calls, anywhere, anytime, any duration.
- Future integration with dual mode Wi-Fi / GSM handset for MVNO service.

GTNT Unique Services

- **FREE calls – PC-to-PC, Wi-Fi-to-Wi-Fi Phone**
- **IDD call charges, same as prepaid card service, with customer Data Base for detailed call record retrieval.**
- **GPS position report for emergency call (e911)**
- **Built-in unique IPV6 address for each Internet or Wi-Fi Phone.**

Summary – Competitive Advantages

1. Unique Infrastructure

- Optimum CAPEX - fractions of conventional cost
- Optimum OPEX – fractions of Tier 1 Telco's
- Excellent Quality of Service (QoS)

2. Unique Sales & Distribution channels

- Unique carriers' carrier business
- Low customer acquisition cost
- Control of “cliff-pricing”

3. Telco for Future – Next Generation Network (voice, data, video and extreme mobility)

- NGMN, 3.5G Plus, 4G